

REMARKS

Applicant respectfully requests reconsideration of this application.

Claims 1-38 are pending. Claims 1-23 and 28-38 are allowed. Claims 24 and 25 are rejected. Claims 26 and 27 are objected to as being dependent upon a rejected base claim. Claim 26 is amended to comply with the objections of the previous Office Action.

The Office Action mailed on January 28, 2004, rejects Claims 24 and 25 under 35 USC 102(b) as allegedly being anticipated by DeBrosse et al., U.S. Patent No. 5,534,732 (DeBrosse). Applicant respectfully disagrees and offers the following arguments.

With regard to Claim 24, the Examiner argues that DeBrosse discloses means for providing the set of signal lines with a first capacitive and inductive noise cancellation; and means for providing the set of signal lines with a second capacitive and inductive noise cancellation in addition to the first capacitive and inductive noise cancellation. The Examiner admits that DeBrosse describes at most capacitive noise cancellation, but further argues that since capacitive and inductive parasitics are inherently included in conductive lines, capacitive noise cancellation inherently includes inductive noise cancellation. Applicant respectfully disagrees.

The existence of capacitive and inductive parasitics does not make it clear that the missing descriptive matter, "capacitive and inductive noise cancellation," is necessarily present in the technique described in the reference. DeBrosse does not disclose or suggest capacitive and inductive noise cancellation, but rather shows a technique for avoidance of capacitive coupling between pairs of true/complement line conductors, and capacitive matching

between the true/complement line conductors of a particular pair and those of its neighbor pairs (col. 1, lines 11-15, col. 2, lines 56-67 and col. 3, lines 1-5).

For example the signal labeled 2-bar is adjacent to the signals labeled 1-bar and 3 in the first region and then adjacent to their complements labeled 1 and 3-bar in the second region (Fig. 5).

Further, DeBrosse does not expressly or inherently describe means for providing the set of signal lines with a second capacitive and inductive noise cancellation in addition to the first capacitive and inductive noise cancellation. DeBrosse shows a technique including, "forming a single crossing region including crossing the line conductors of each pair once;" (col. 3, lines 13-15). DeBrosse discloses reordering the signal lines only once (col. 3, lines 22-24 and col. 7, lines 63 through col. 8, line 2) saying, "An object of the present invention, therefore, is to attain... properties of a 'multiple' twist interconnection array, while only introducing one crossing region into the array." (col. 5, lines 7-10, emphasis added).

Therefore, Applicant respectfully submits that Claim 24 is not anticipated by DeBrosse. Accordingly, Applicant requests the Examiner to withdraw his rejection of Claim 24 under 35 USC 102(b).

With regards to the remaining dependent claims, Applicant respectfully submits that they are allowable at least by their dependence from a patentable independent claim.

CONCLUSION

Applicant respectfully submits the present application is in condition for allowance and such action is earnestly solicited. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present

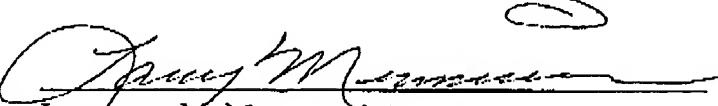
application, the Examiner is invited to call Lawrence Mennemeier at (408) 765-2194.

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any charges that may be due.

Respectfully submitted,

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Date: 3/23/2004


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